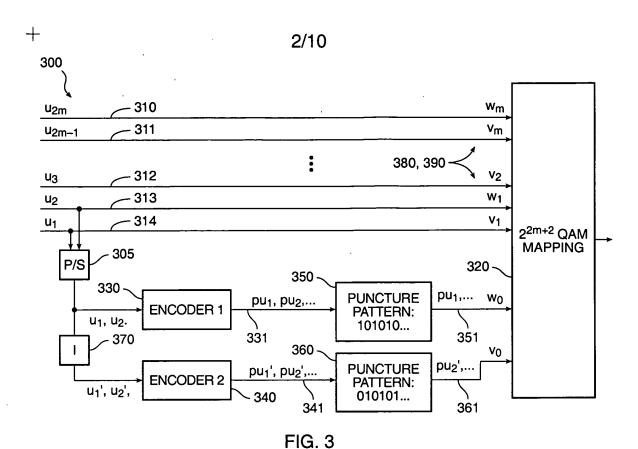
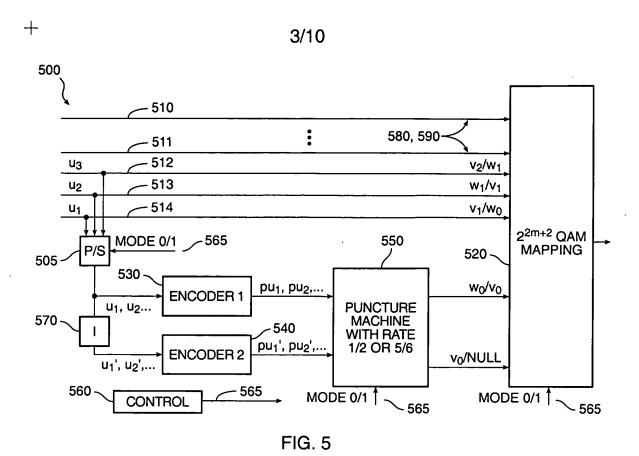


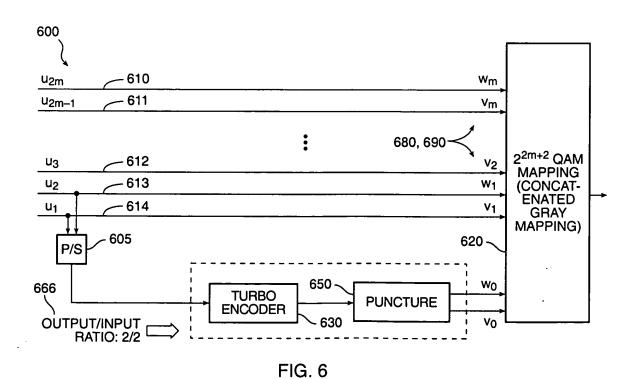
FIG. 2

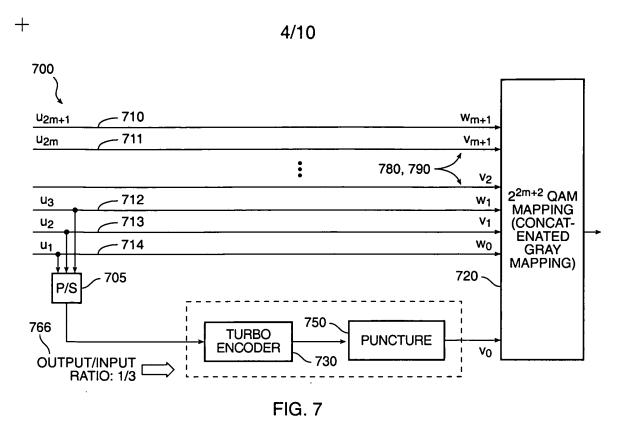


400 410 W_{m+1} u_{2m+1} 411 v_{m+1} u_{2m} 480, 490 ٧2 412 W₁ uз 413 ۷1 u_2 414 W₀ u_1 2^{2m+2} QAM 420 **MAPPING** - 405 450 P/S 495 430 **PUNCTURE** pu₁, pu₂, pu₃,.. **ENCODER 1** PATTERN: u₁, u₂, u₃ 010,000,010... ٧0 MUX 431 470 496 pu₁', pu₂', pu₃'.. **PUNCTURE ENCODER 2** PATTERN: u₁', u₂', u₃',... 000,010,000... 440 460 441

FIG. 4







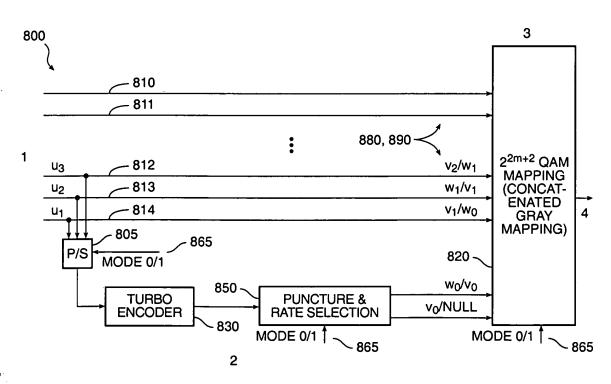
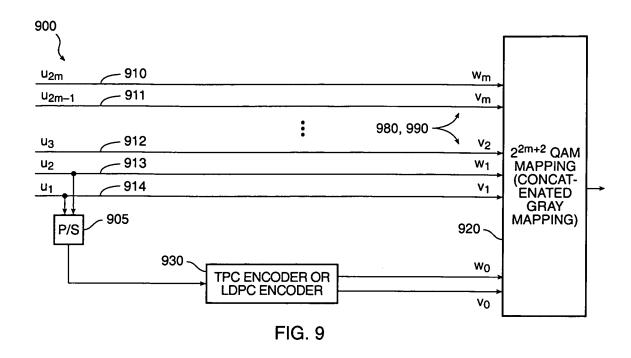


FIG. 8



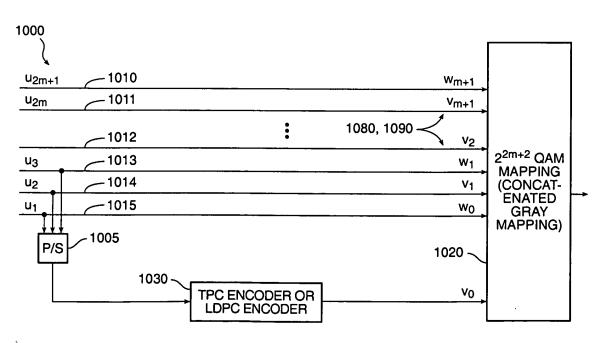


FIG. 10

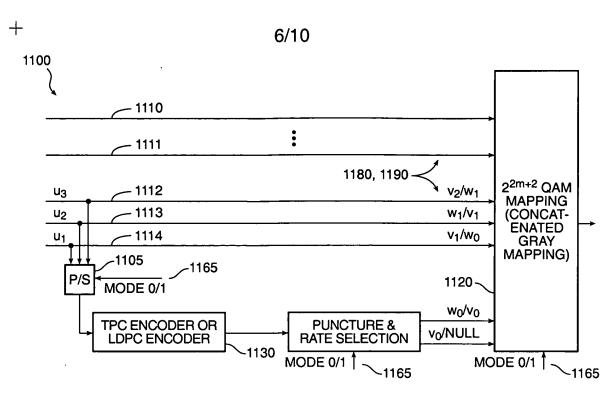


FIG. 11

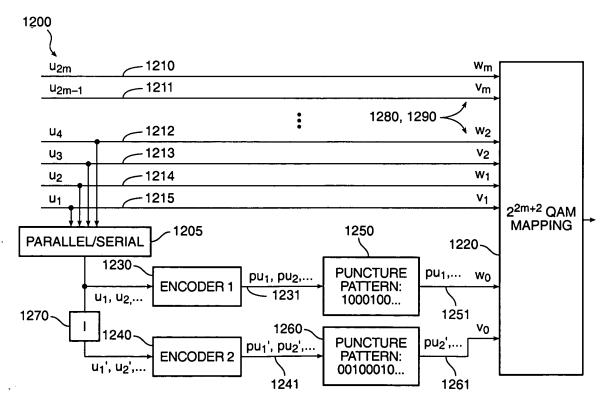
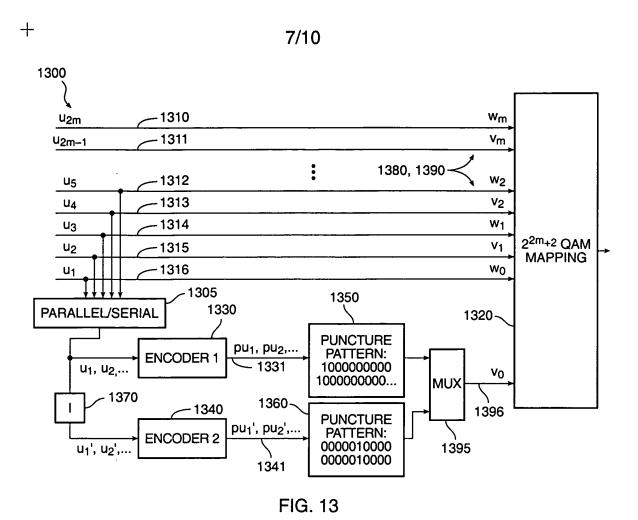
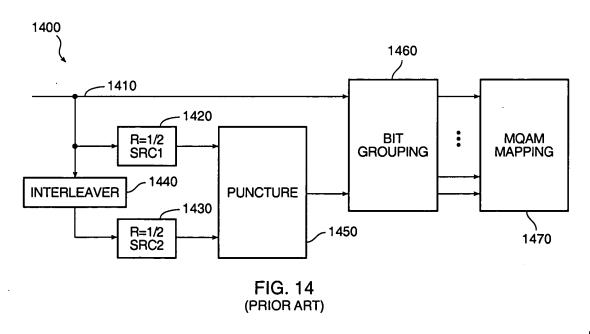


FIG. 12





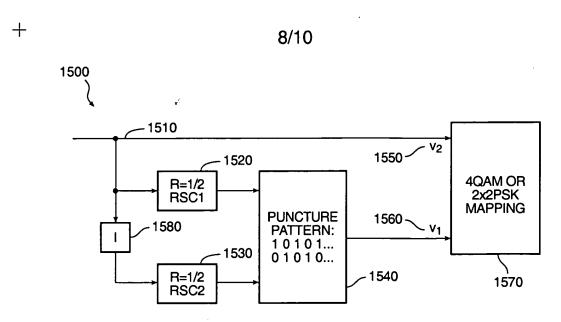


FIG. 15

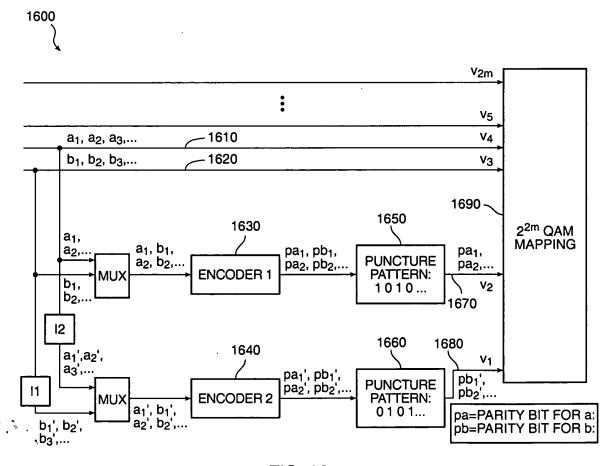
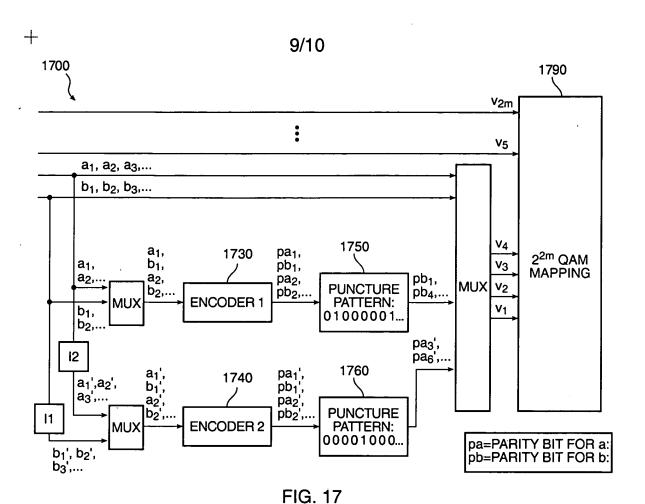


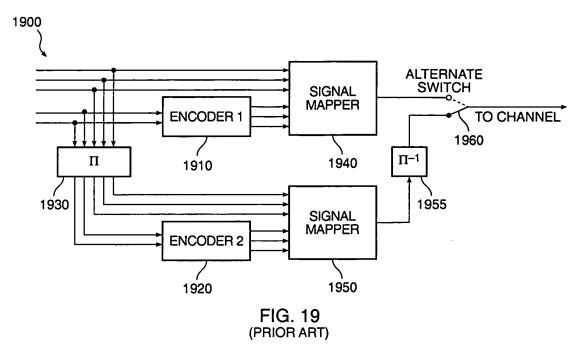
FIG. 16



1800 v_{2m} ٧5 2^{2m} QAM - 1820 **MAPPING** ۷з BIT **ENCODER 1 GROUPING** ٧2 1810 **PUNCTURE** - 1830 1860 -1840 **ENCODER 2** 1850

FIG. 18

EVEN/ODD



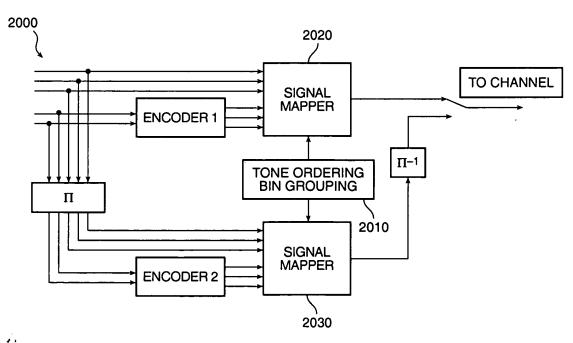


FIG. 20